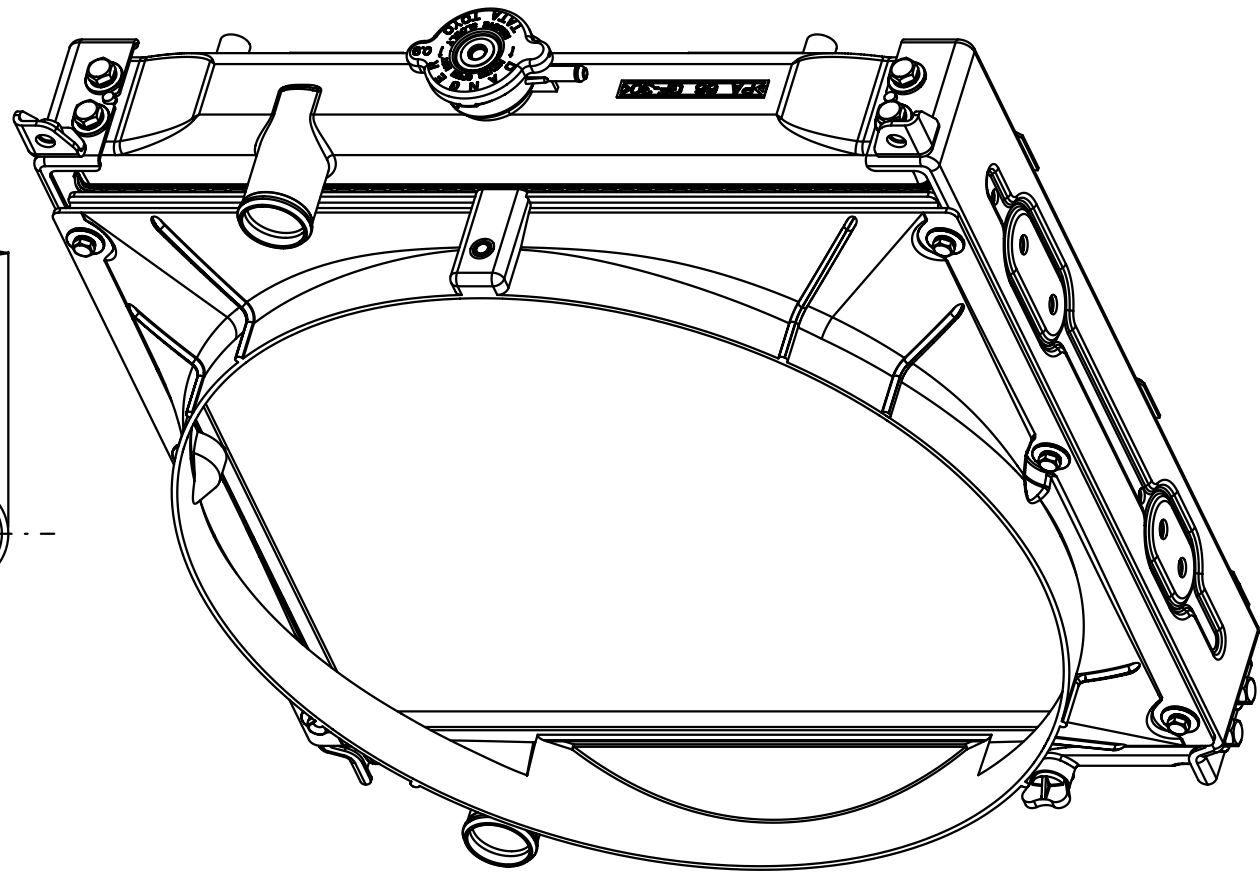
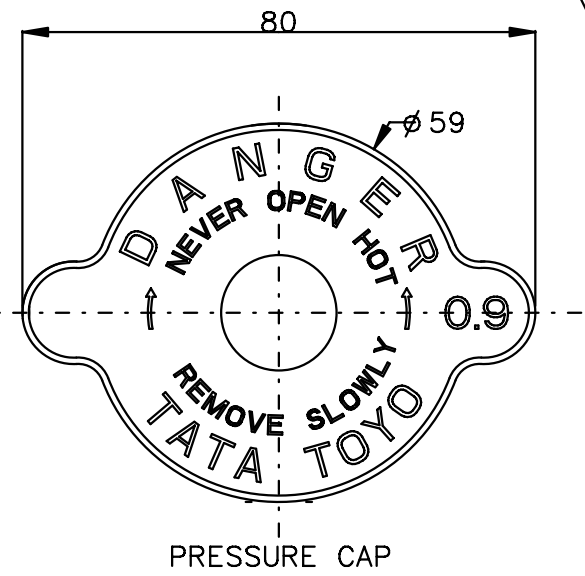
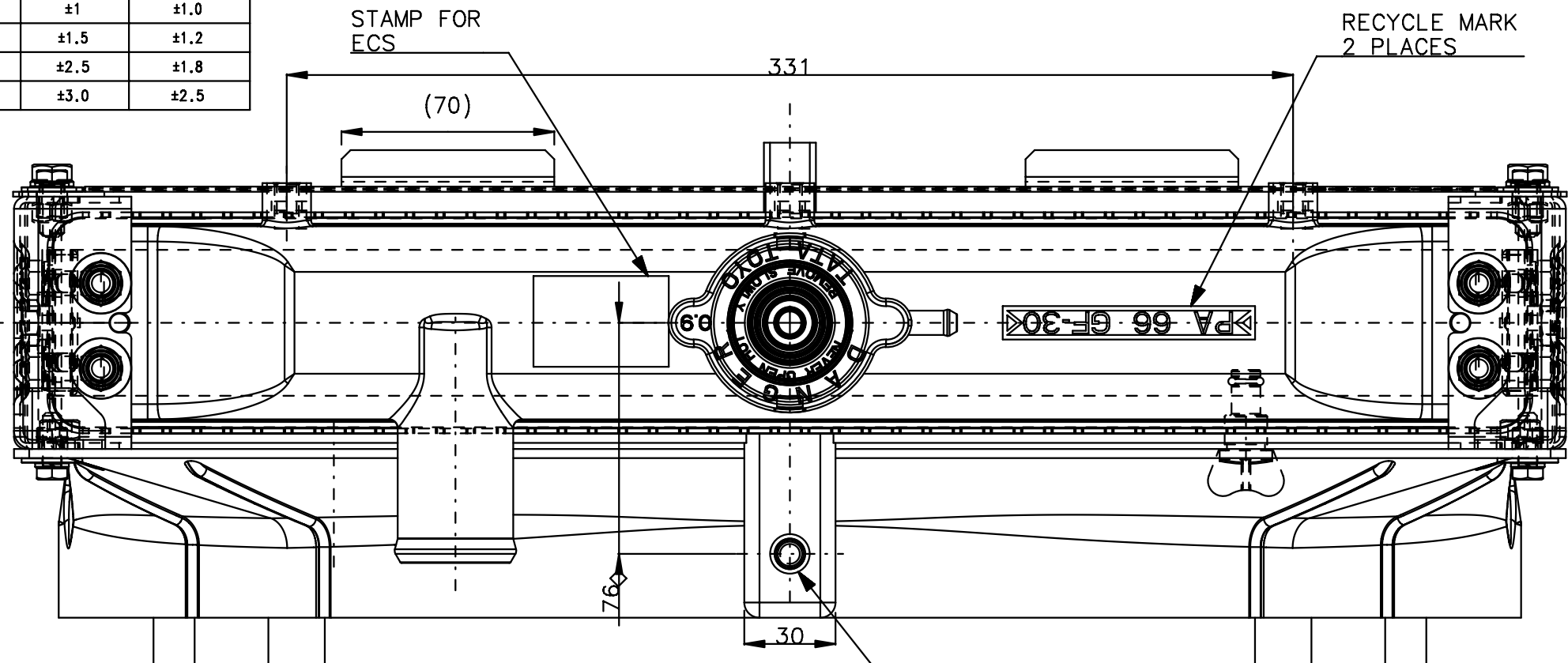


GEOMETRY SYMBOL	GENERAL TOLERANCES			
	CLASSIFICATION	ASSLY	METAL PARTS	PLASTIC PARTS
FLATNESS	LESS THAN 100	±1.5	±1	±1.0
CIRCULARITY	100 TO 200	±2.0	±1.5	±1.2
CYLINDRICITY	200 TO 400	±2.5	±2.5	±1.8
PROFILE OF ANY LINE	400 TO 999	±3.0	±3.0	±2.5
PROFILE OF ANY SURFACE				
PARALLELISM				
PERPENDICULARITY				
ANGULARITY				
POSITION				
CONCENTRICITY				
SYMMETRY				
CIRCULAR RUN OUT				
TOTAL RUN OUT				



DIV	RADIATOR		
	HEADING	UNIT	VALUE
PERFORMANCE	AIR FLOW	m/s	13.3
	COOLANT FLOW	LPM	120
	TEMP DIFFERENCE	°C	65
	COOLANT TYPE		50-50% WEG
	RADIATOR CAPACITY	Kw-kCal/hr.	62.2 53531.7
STRUCTURE	AIR PRESSURE	Pa-mmAq	352.4 35.9
	WATER PRESSURE	KPa-mmHg	6.5 48.9
	VALVE OPENING PRESSURE	PRESS kPa	88 0.9 Kg/cm ²
	VACCUM	kPa	4.9 0.05 Kg/cm ²
	TEST PRESSURE	kPa	147 1.5 Kg/cm ²
CORE SIZE	CORE TYPE		CF28-2
	WIDTH	mm	468.6
	HEIGHT	mm	440
	THICKNESS	mm	48
	FIN CONFIGURATION	mm	5.0/2 WAVE
RADIATION AREA	FIN	m ²	7.07
	TUBE	m ²	1.9
	TOTAL	m ²	8.97
COOLANT PASSAGE AREA	FRONTAL AREA	m ²	0.21
	COOLANT PASSAGE AREA	cm ²	23.85
	COOLANT QUANTITY	Lit	(4.972)
TUBE QUANTITY	DRY MASS	Kg	(5.3)
	TUBE QUANTITY	nos.	94.0
REMARKS			

- MBER SUPPORTS : COLD ROLLED LOW CARBON STEEL
3. SHROUD MATERIAL : PLASTIC
4. HEAT DISSIPATION : 62.2kW (53531.7 kcal/h)
AT : COOLANT FLOW 120 l/min.
: AIR FLOW 2.79 m³/sec.
: TEMP. DIFFERENCE 65°C
5. WORKING PRESSURE : 0.9 kgf/cm² g
6. TEST PRESSURE : 147kPa (1.5kg/cm² g)
THERE SHOULD BE NO LEAKAGE
7. THE RADIATOR SHALL BE TESTED AS PER M & M
TEST MATRIX OF TTR FOR TYPE APPROVAL NOTES:
1. THE ASSEMBLY SHOULD BE FREE FROM SHARP CORNERS BURR, DUST OIL ETC.
2. RADIATOR CONSTRUCTION:-
CORE-BRAZED ALUMINIUM- 2 ROWS
TANK- NYLON 66+30% GF
TANK-CORE SEALING EPDM RUBBER,
NO. OF TUBES -94NOS
SIDE ME

STAMP FOR ECS
M&M
605 DI BS3 B
CUST PART NO
892110 0001
TATA TOYO
INDIA

5		S0209014M001	BOLT ASSY	M8X1.25	ASSY	2	
4		S0209035M001	BOLT ASSY	M6X1.0	ASSY	10	
3		A7DGA0601M00	THRASH GUARD		CRCS	1	
2		A7DGF0202M00	SHROUD		PLASTIC	1	
1G		S0209014M001	BOLT ASSY	M8X1.25	ASSY	2	
1F		S0218005M001	PRESSURE CAP		ASSY	1	
1E		S0202027M001	DRAIN COCK		ASSY	1	
1D		A7BZB1601M00	TANK PACKING		EPDM	2	
1C		A7BZB5004M00	BOTTOM TANK ASSY		ASSY	1	
1B		A7BZB5003M00	TOP TANK ASSY		ASSY	1	
1A		A7BZB0101M00	CORE COMP		ASSY	1	
1		A7BZB5002M00	RADIATOR ASSY		ASSY	1	
SR	SUB NO	CUST PART NO	TTR PART NO	PART NAME	SIZE	MATERIAL	QTY REMARKS

◎ -CRITICAL (Cc)	FINISH	NATURAL	MATERIAL	REF TABLE	PART NAME / TITLE	ENGINE COOLING SYSTEM
◇ -SIGNIFICANT (Sc)	SIZE	--	SCALE	3:5		
	MASS	(7.6) kg	DATE	14.02.10	CUSTOMER PART NO	--
	APPROVED	CHECKED	DRAWN		TTR PART NO / DRG. NO.	A7DGA5005M00
	RAVI	RAJIV	SUJIT			REV. 0

SHEET: A1